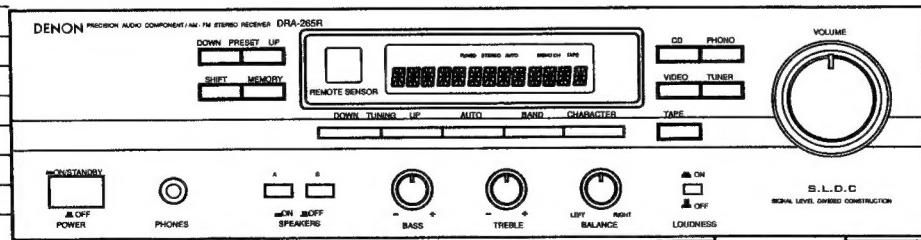
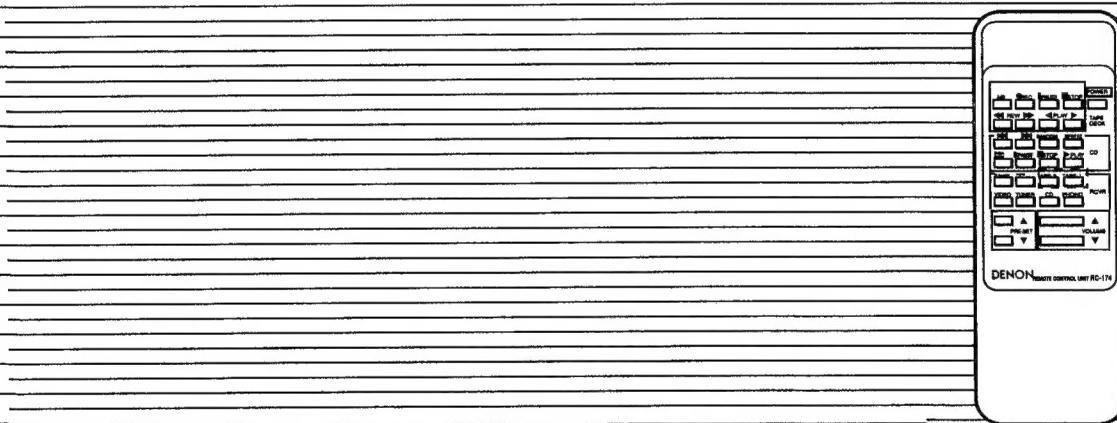


DENON

AM-FM STEREO RECEIVER DRA-265R

OPERATING INSTRUCTIONS
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
ISTRUZIONI PER L'USO
INSTRUCCIONES DE OPERACIÓN
GEBRUIKSAANWIJZING
BRUKSANVISNING
INSTRUÇÕES DE FUNCIONAMENTO



FOR ENGLISH READERS

FÜR DEUTSCHE LESEN

POUR LES LECTEURS FRANÇAIS

PER IL LETTORE ITALIANO

PAGE 6 ~ PAGE 13

SEITE 14 ~ SEITE 21

PAGE 22 ~ PAGE 29

PAGINA 30 ~ PAGINA 37

PARA LECTORES DE ESPAÑOL

VOOR NEDERLANDSTALIGE LEZERS

FÖR SVENSKA LÄSARE

PARA LEITORES PORTUGUESES

PÁGINA 38 ~ PÁGINA 45

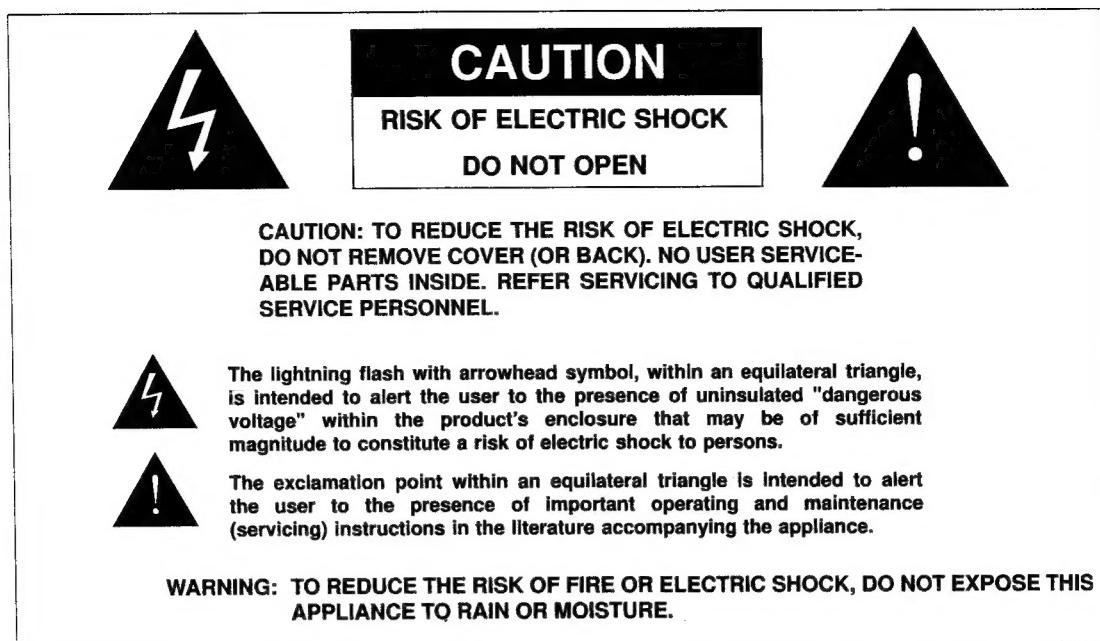
PAGINA 46 ~ PAGINA 53

SIDA 54 ~ SIDA 61

PÁGINA 62 ~ PÁGINA 69

SERIAL NO. _____

PLEASE RECORD UNIT SERIAL NUMBER INDICATED ON THE REAR PANEL
FOR FUTURE REFERENCE.

**PRECAUTIONS FOR INSTALLATION**

Install DRA-265R always horizontally. And leave at least 10 cm of space between the unit and other component placed above.

VORKEHRUNGEN FÜR DIE AUFSTELLUNG

Stellen Sie den DRA-265R stets waagerecht auf. Achten Sie ebenfalls darauf, daß ein Mindestabstand von 10 cm zwischen dem Gerät und der Komponente, die darüber gestellt wird, eingehalten wird.

PRECAUTIONS D'INSTALLATION

Le DRA-265R doit toujours être installé horizontalement. Laisser au moins un espace de 10 cm entre cet appareil et tout autre composant qui serait placé au-dessus.

PRECAUZIONI PER L'INSTALLAZIONE

Installare il DRA 265R sempre in posizione orizzontale, avendo cura di lasciare almeno 10 cm fra l'unità ed altri componenti posti al di sopra.

PRECAUCIONES PARA LA INSTALACION

Instale siempre el DRA-265R en posición horizontal. Asegúrese también de dejar un espacio de por lo menos 10 cm entre esta unidad y el componente que sea colocado encima.

VOORZORGSMATREGELEN VOOR INSTALLATIE

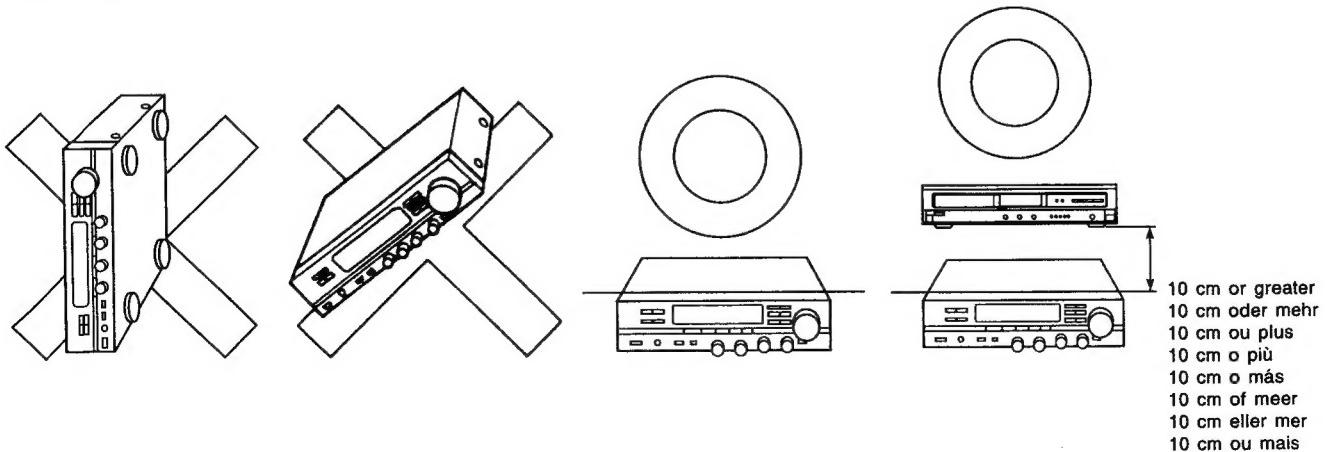
De DRA-265R altijd horizontaal plaatsen. Laat ten minste 10 cm ruimte tussen dit apparaat en het andere component dat u erboven plaatst.

FÖRBEREDELSE FÖR INSTALLATION

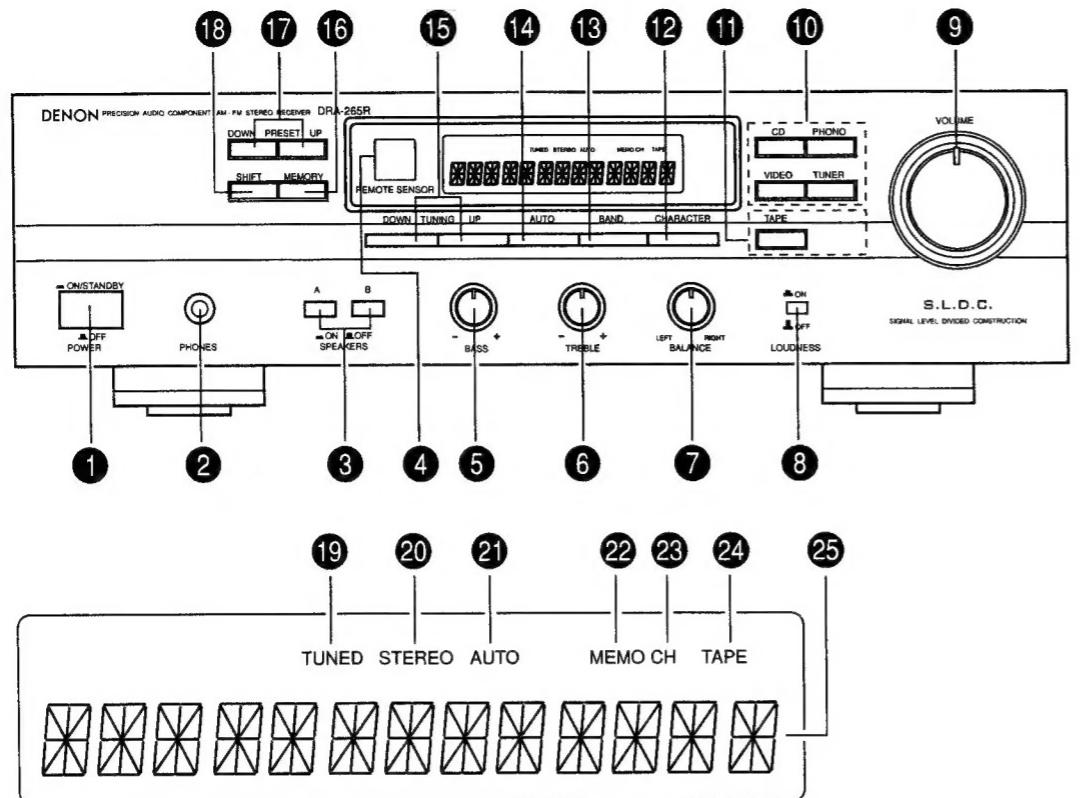
Installera alltid DRA-265R horisontellt. Lämna åtminstone 10 cm mellan denna apparat och en annan komponent som placeras ovanpå.

PRECAUÇÕES DURANTE A INSTALAÇÃO

Instale sempre o DRA-265R em posição horizontal. E deixe pelo menos 10 cm de espaço entre esta unidade e o outro componente colocado acima.

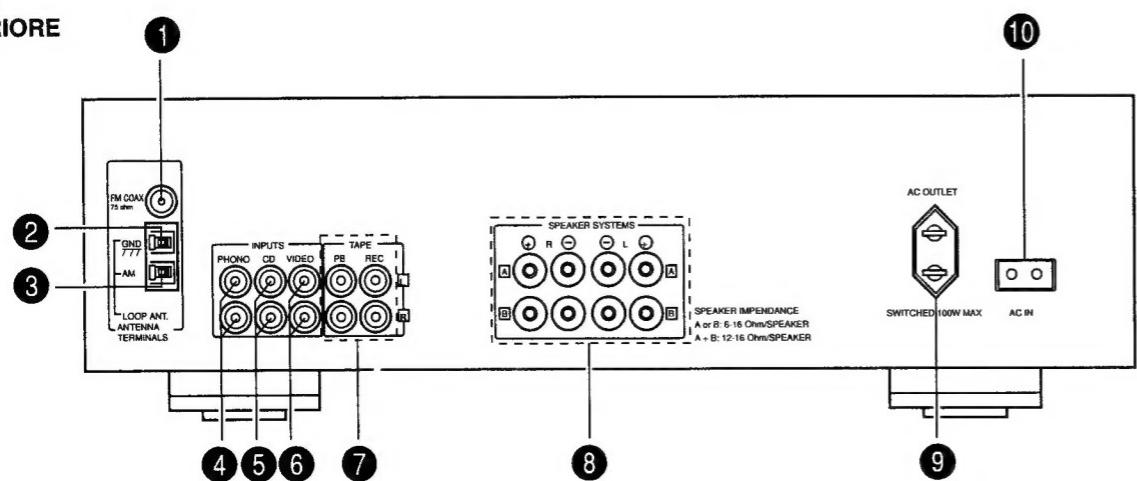


FRONT PANEL
VORDERSEITE
PANNEAU AVANT
PANNELLO ANTERIORE
PANEL FRONTAL
VOORPANEEL
FRAMPANELEN
PAINEL FRONTAL



DISPLAY
ANZEIGE
AFFICHAGE
DISPLAY
VISUALIZADOR
DISPLAY
DISPLAYEN
MOSTRADOR

REAR PANEL
RÜCKSEITE
PANNEAU ARRIÈRE
PANNELLO POSTERIORE
PANEL POSTERIOR
ACHTERPANEEL
BAKSIDAN
PAINEL TRASEIRO



NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION
NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA
OBSERVAÇÕES SOBRE O USO



Please check the following items are included with the main unit in the carton:

- (1) Operating Instructions 1
- (2) AM Loop Antenna 1
- (3) FM Antenna 1
- (4) Remote Control RC-174 1
- (5) Batteries R6 (AA) 2
- (6) AC Cord 1

Vergewissern Sie sich, daß folgende Teile vollständig im Lieferumfang enthalten sind:

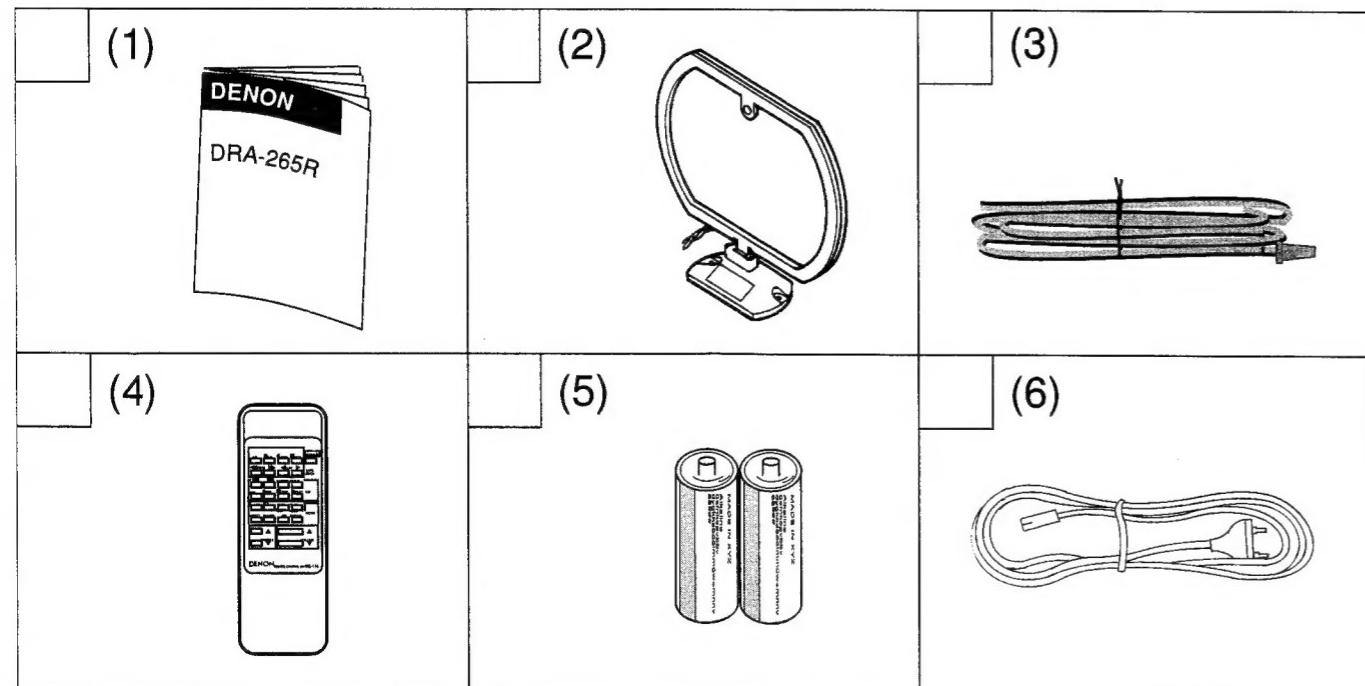
- (1) Bedienungsanleitung 1
- (2) MW-Rahmenantenne 1
- (3) UKW-Antenne 1
- (4) Fernbedienungsgerät RC-174 1
- (5) Trockenzellen-Batterien R6 (AA) 2
- (6) Netzkabel 1

Veuillez vérifier que les articles suivants sont bien joints à l'appareil principal dans le carton:

- (1) Mode d'emploi 1
- (2) Antenne-cadre AM 1
- (3) Antenne FM 1
- (4) Télécommande RC-174 1
- (5) Piles de format R6 (AA) 2
- (6) Cordon secteur 1

Controllare che le parti seguenti si trovino imballate con l'apparecchio nella scatola di spedizione:

- (1) Istruzioni per l'uso 1
- (2) Antenna AM a telaio 1
- (3) Antenna FM 1
- (4) Telecomando RC-174 1
- (5) Batterie a secco R6 (AA) 2
- (6) Cavo d'alimentazione 1



Konformitätserklärung

Die DENON Elektronik GmbH
Halskestr. 32
40880 Ratingen

erklärt als Hersteller/Importeur, daß das in dieser Bedienungsanleitung beschriebene Gerät den Technischen Vorschriften für Ton- und Fernseh-Rundfunkempfänger nach der Amtsblattverfügung 868/1989 (Amtsblatt des Bundesministers für Post und Telekommunikation vom 31.8.1989) entspricht.

Verifique que los artículos siguientes hayan sido suministrados con la unidad principal:

- (1) Instrucciones de operación 1
- (2) Antena AM de cuadro 1
- (3) Antena de FM 1
- (4) Unidad de control remoto RC-174 1
- (5) Pilas secas R6 (AA) 2
- (6) Cable de alimentación 1

Controleer of de volgende accessoires bij het hoofdstel in de doos zijn verpakt:

- (1) Gebruiksaanwijzing 1
- (2) AM-raamantenne 1
- (3) FM-antenne 1
- (4) Afstandsbediening RC-174 1
- (5) R6 (AA) droge cel batterij 2
- (6) Netsnoer 1

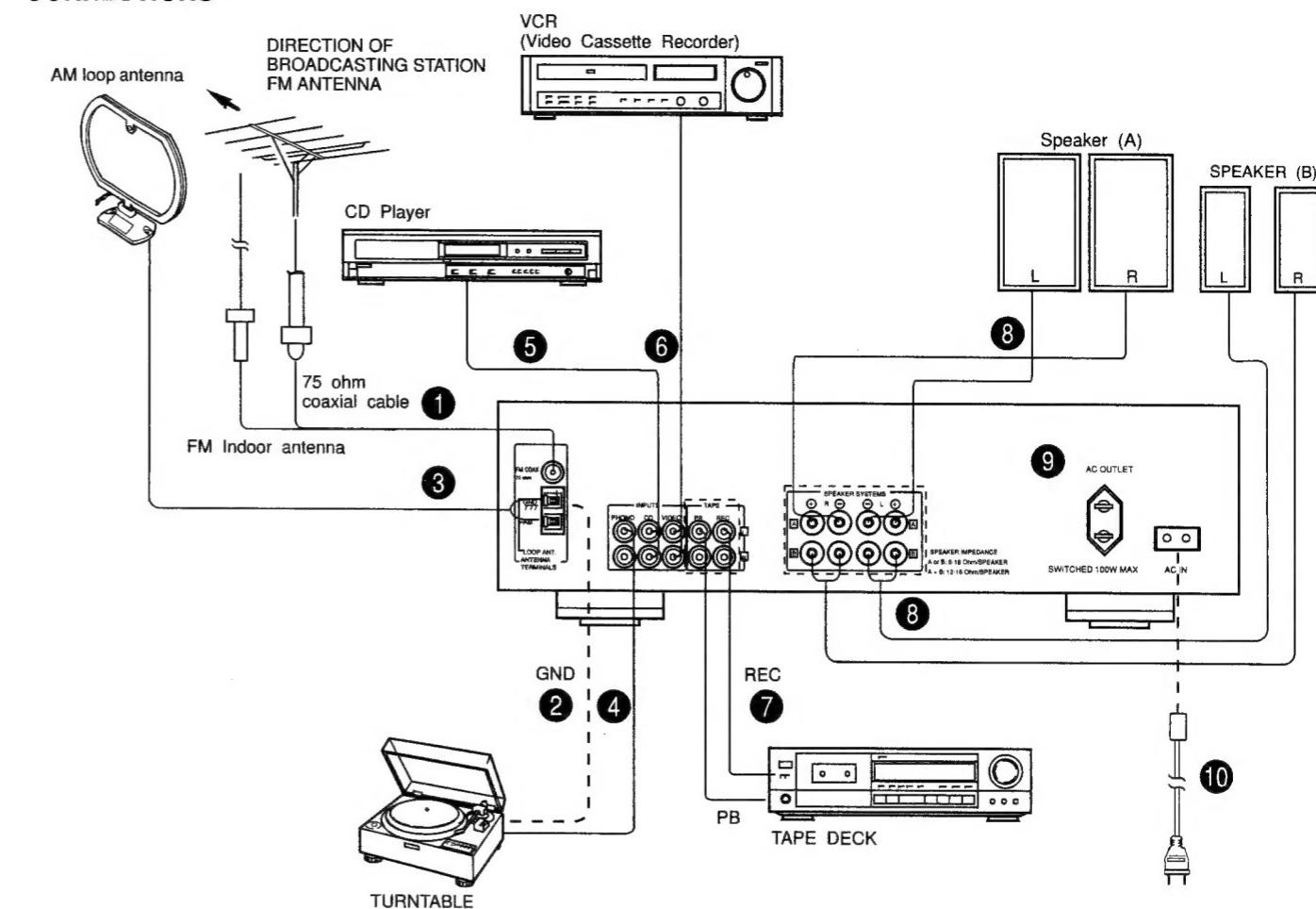
Kontrollera att följande tillbehör her packats ner i kartongen tillsammans med huvudenheten:

- (1) Bruksanvisning 1
- (2) Ramantenn för AM-bruk 1
- (3) FM-antenn 1
- (4) Fjärrkontroll RC-174 1
- (5) R6 (AA) torrbatteri 2
- (6) Nätkabeln 1

Verifique se os items que se seguem estão incluídos na caixa de cartão com a unidade principal

- (1) Instruções de funcionamento 1
- (2) Antena de quadro AM 1
- (3) Antena FM 1
- (4) Telecomando RC-174 1
- (5) Pilhas R6 (AA) 2
- (6) Cabo de alimentação 1

CONNECTIONS



REAR PANEL

- ① FM ANT (FM antenna terminals)**
75-ohm coaxial cable can be connected to this terminal. For antenna connecting procedure, see the ANTENNA INSTALLATION.
- ② GND (Grounding terminal)**
The grounding wire of the turntable is connected here.
 - Hum or noise may be generated if the grounding wire is not connected.
- ③ AM ANT (AM antenna terminals)**
Connect the attached AM loop antenna. (Refer to page 7 for connections).
Connect to this terminal when a medium wave outdoor antenna is used.
- ④ PHONO (Phono input terminals)**
The output cord of the turntable is connected here.
Since the input sensitivity of "PHONO" is extremely high, do not use the unit without the input pin cord. If used without this cord, the speakers may generate hum.
- ⑤ CD**
The output cord of the CD player is connected here.
- ⑥ VIDEO**
A VIDEO, such as a VCR or Video Disc may be connected here.
- ⑦ TAPE**
Tape decks can be connected for full use including playing or copying.
- ⑧ SPEAKER SYSTEMS (Speaker terminals)**
Two pairs of speakers A and B can be connected to these terminals.
- ⑨ AC OUTLET (AC power outlet)**
This AC outlet is controlled by the power switch.
- ⑩ AC Inlet**
Connect the included AC cord here.

SPEAKER CONNECTION

Confirm polarity (+, -) and left and right channels (L, R). Connect the speaker pairs to the SPEAKER terminals A or B on the back panel. Connections must be made with power cord disconnected.

Preparing the cord

1. Peel off the sheath.
2. Twist the wires.

**Connecting the front speaker terminals**

1. Loosen by turning counterclockwise.
2. Insert the cord and tighten by turning clockwise.

**ANTENNA INSTALLATION****• FM ANTENNA**

The supplied indoor FM antenna can be used inside wooden houses for receiving local FM stations and other strong FM signals. Stretch out the end of the antenna and mount the antenna on the wall or ceiling where optimum reception is achieved. An indoor FM antenna may not consistently ensure stable reception, due to environment changes. In such cases, the indoor FM antenna should only be used temporarily until an outdoor FM antenna has been installed.

When connecting an outdoor FM antenna, the use of 75 ohm coaxial cable (3C-2V, 6C-2V) is strongly recommended.

• AM ANTENNA

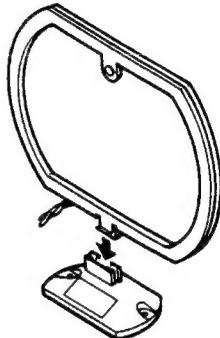
Attach the supplied AM loop antenna even when using an outdoor AM antenna.

Connect the leads to the AM and GND terminals.

Also use the AM terminals for connecting an outdoor AM antenna (when making such a connection do not disconnect the AM loop antenna).

Adjust the loop antenna to obtain optimum reception. Where broadcast stations are distant and only weak signals are received or where signals are blocked, it is best to install an outdoor AM antenna.

Assembling the Loop Antenna



- Remove the tie fastening the loop antenna's lead and connect the lead to the antenna terminals.

Notes:

- Do not connect two FM antennas simultaneously.
- Even if an external AM antenna is used, do not disconnect the AM loop antenna.
- Make sure AM loop antenna lead terminals do not touch metal parts of the panel.

Notes on Connection

- Do not plug the power cord into the AC wall outlet until all connections have been completed.
- Make sure channels are correctly connected. Connect Left channels to Left channels and Right channels to Right channels. Follow the color markings of plugs and terminals to make sure mistakes are not made.
- Connect all pin-plugs securely, pushing them completely into the jacks incomplete connections will cause noise generation.
- Binding the connection cables to power cords, or running such cables close to power supply transformers will cause humming or noise, and should thus be avoided.

CAUTION**Protective Circuit**

This set is equipped with a high speed protective circuit. This circuit protects the internal circuitry from damage due to large currents flowing when the speaker jacks are not completely connected or when an output is generated by a short circuit.

This protective circuit's operation cuts off the output to the speakers. In such a case, be sure to turn the power to the set off and check the connections to the speakers. Then turn the power on again. After muting for several seconds, the set will operate normally.

DESIGNATIONS AND FUNCTIONS OF PANEL CONTROLS (Refer to Page 3.)

FRONT PANEL

① POWER (Power ON-STANDBY/OFF Switch)

This switch turns the unit ON or OFF. There is a delay of approximately 3 seconds before the unit will operate after this power switch is turned ON. If the unit is turned OFF from the remote control, the unit will be in the STANDBY mode. When in the STANDBY mode, the unit can be turned ON with the power button on the remote control. If the unit will not be used for extended period, be sure to turn the unit OFF from the front panel power switch.

NOTE: This unit includes a STANDBY protection feature. This feature is designed to prevent accidental turn-on from the STANDBY mode in the event of a power failure. Should AC power be disconnected and then reconnected when the unit is in STANDBY mode, the unit will return the STANDBY mode.

To turn the unit ON from the STANDBY mode without the remote control, operate the front panel power switch four times. The unit will then operate normally.

② PHONES (Headphones jack)

Connect a pair of headphones (sold separately) to this jack for private listening.

③ SPEAKERS (Speaker selector switches)

These switches are used to select speaker system A and B. No sound is heard through the speakers when both switches are reset to the (■) position.

④ REMOTE SENSOR (Remote control sensor)

This sensor receives the infra-red light transmitted from the wireless remote control unit.

For remote control, point the wireless remote control unit towards the sensor.

⑤ BASS (Bass control)

Use this control to adjust the low-range response. When the control is set to the center position, the frequency characteristic curve (below 1,000 Hz) is flat. Turn the control clockwise to increase the bass response and counterclockwise to decrease it.

⑥ TREBLE (Treble control)

Use this control to adjust the high-range response.

When the control is set to the center position, the frequency characteristic curve (above 1,000 Hz) is flat. Turn the control clockwise to increase the treble response and counterclockwise to decrease it.

⑦ BALANCE (Balance control)

Use this control to balance the volume levels between left and right channels. The volume levels in both channels are equal when the control is set to the center position.

⑧ LOUDNESS (Loudness ON/OFF switch)

At low volumes, the human ear is less sensitive to low (BASS) and high (TREBLE) frequencies. Press this switch to compensate for this deficiency when listening at low volume levels.

NOTES

- This receiver has a full back-up system. When the power is turned on, the INPUT SELECTOR buttons are set to the last mode set before the power was turned off.
- When using this receiver in close proximity to video equipment (TV, VCR, VDP, etc.) noise may be generated in AM broadcasts.

⑨ VOLUME (Volume control)

This knob is used to adjust the volume level of both channels. Turn the knob clockwise to raise the volume and counterclockwise to lower it.

⑩ Input selector (Input selector buttons)

These buttons are used to select the audio input source.

- PHONO: Press to play a record on a record player connected to the PHONO input jacks.
- CD: Press to listen to a compact disc player or another component connected to the CD input jacks.
- TUNER: Press to listen to FM or AM programs.
- VIDEO: Use when playing back the audio from a Hi-Fi video, video disc player or other component connected to the VIDEO terminal.

⑪ TAPE (Tape monitor button)

Press this button once, TAPE indicator will light up and then you can play tape source on the TAPE terminal. Press again the button currently accessed, to play sources selected by input selector ⑩, indicator goes out.

⑫ CHARACTER

This button is used to input the station name (refer to page 9).

⑬ BAND (Band selector button)

Press this button to select the FM or AM (MW) band.

⑭ AUTO (Tuning mode button)

This switches between auto and manual tuning.

Auto tuning: When the UP button is pressed, the radio is tuned automatically to a higher frequency. Press the DOWN button to tune to a lower frequency. Use this position to eliminate noise when no signals or weak signals are being received.

Manual tuning: In this position, the radio can be tuned manually. Reception is automatically monaural when in the manual mode.

⑮ TUNING (Tuning buttons)

Use these to change the received frequency to a higher frequency (UP) or a lower frequency (DOWN).

When writing station names, use these buttons to select the letters. (Refer to Page 9.)

⑯ MEMORY (Memory button)

This switch is used to store the desired radio station to a memory.

⑰ Preset (Preset station buttons)

These buttons are used for storing stations or recalling stations which have been preset. Using the SHIFT button you can preset a total of 40 FM or AM stations into preset channels.

Once a radio has been memorized, the same station can later be tuned in instantly simply by recalling the corresponding preset channel with PRESET UP or DOWN button.

⑱ SHIFT

Use this button to select the memory blocks, A (1 to 8), B (1 to 8), C (1 to 8), D (1 to 8) or E (1 to 8).

When writing station names, use this button to set the writing position.

To avoid this, keep the receiver as far away from other video components as possible, or place the AM loop antenna where noise is reduced. If the noise is not reduced, turn off the power of the video components when listening to AM broadcasts.

DISPLAY

⑯ TUNED indicator

This lights when a station is properly tuned in.

⑰ STEREO indicator

This lights when receiving stereo broadcasts. It remains off when receiving AM broadcasts.

㉑ AUTO indicator

This indicates the tuning mode. It lights in the auto mode and remains off in the manual mode.

㉒ MEMO indicator

This indicator lights for approximately 10 seconds when the MEMORY button has been pressed and a station can be stored on a PRESET CHANNEL button.

This flashes continuously during the auto memory operation.

㉓ CH indicator

This lights when the preset channel number and shift mode (A, B, C, D or E) are displayed.

㉔ TAPE indicator

The TAPE indicator lights when the TAPE source is selected with the tape selector buttons.

㉕ Multi function display

This displays the frequency, station name, program type, etc.

Using the Various Functions

1. Presetting stations in the memory

The frequency and the name of the radio station which you have input yourself are also stored in the memory.

How to preset the memory

Press the MEMORY button ⑯. The "MEMO" indicator on the display ㉒ lights. Next use SHIFT button ⑮ to select the memory block A, B, C, D or E. Now press the PRESET UP or DOWN button ⑯ to specify the preset channel number, and then press the MEMORY button ⑯ to store the station in the memory.

The preset channel numbers for the different memory blocks are as follows.

Memory block A:	1 to 8
Memory block B:	1 to 8
Memory block C:	1 to 8
Memory block D:	1 to 8
Memory block E:	1 to 8

2. Auto Memory (FM only)

The DRA-265 is equipped with an auto memory function.

Connect the antenna, set it so that stations can be received, then hold in the MEMORY button and press the POWER button to turn the power on. Stations for which the auto stop function operates are stored in the preset memory in the order A1 to A8, B1 to B8, and so on, through E8. Channel A1 is tuned in after the auto memory operation is completed. Using this function makes it possible to find out the overall reception conditions of the receivable stations. The memory can be used effectively by recalling the channels in the preset memory and replacing stations whose reception is poor with stations whose reception is good, using the procedure described in 1 above.

3. Recalling preset stations

Use the SHIFT button ⑮ to select memory block A, B, C, D or E, then press the PRESET UP or DOWN button ⑯ to recall the station stored in the memory.

If the PRESET UP or DOWN buttons are pressed without pressing the SHIFT button ⑮, the stations are recalled in the order A1 to A8, B1 to B8, and so on, through E8.

4. Writing station names

You can write in station names yourself (up to 8 characters). (Refer to the table of characters on shown below.).

Operation	Display
1. Press the CHARACTER button once.	First character flashes.
2. Use the TUNING UP and DOWN buttons ⑯ to select the desired characters.	First letter flashes.
3. Use the SHIFT button ⑮ to move to the next place.	Specified place flashes.
4. After writing the entire station name, store it in the memory. (Refer to page 8.)	

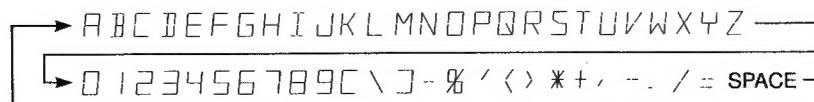
5. Clearing station names

1. Recall the station name you want to clear.
2. Press the CHARACTER button once, the character at the first place flashes.
3. Then press the SHIFT button for at least 2 seconds. The current station name will then be cleared.

Note: Station names must be stored in a preset memory to be retained. If the power is turned off, or if the band (AM/FM) is changed, the station name will be lost. Be sure to store the entered station name in a Preset Memory before changing the band or turning the power switch OFF.

Table of characters

The characters are input in the order shown to the right. Use the TUNING buttons ⑯ to select the desired characters.

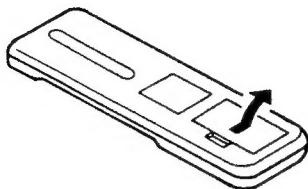


PLAYBACK USING THE REMOTE CONTROL

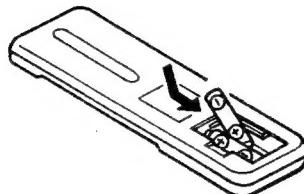
The accessory RC-174 remote control unit is used to control the RECEIVER from a distance.

(1) Inserting the dry cell batteries

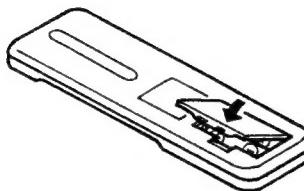
1. Remove the rear cover on the remote control unit.



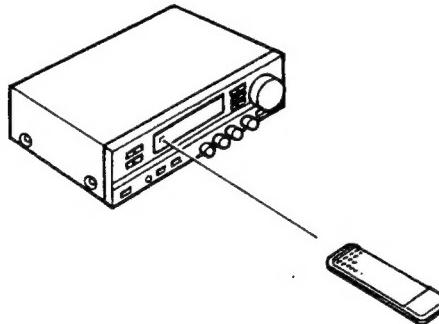
2. Insert two size "AA" (R6) dry cell batteries as shown in the diagram on the battery supply unit.



3. Replace the rear cover.



(2) Directions for use



Note on Operation

- Do not press the operating buttons on the receiver and the remote control unit at the same time. This will cause misoperation.
- Operation of the remote control unit will become less effective or erratic if the infrared remote control sensor on the receiver is exposed to strong light or if there are obstructions between the remote control unit and the sensor.
- In case you operate your VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will cause misoperation.

Notes on Use of the Batteries

- The remote control unit uses size "AA" (R6) dry cell batteries.
- The batteries will need to be replaced approximately once a year. This will depend upon how often the remote control is used.
- If, in less than a year from the time new batteries were inserted, the remote control fails to operate the receiver from a near-by position, it is time to replace the batteries.
- Insert the batteries properly, following the diagram on the remote control battery supply unit, and making sure to align the plus and minus sides of each battery.
- Batteries are prone to damage and leakage. Therefore:
 - Do not combine new batteries with used ones.
 - Do not combine different types of batteries.
 - Do not jumper the opposite poles of the batteries, expose them to heat or break them open, or put them into open fire.
- When the remote control is not to be used for a long period of time, remove the batteries from the unit.
- If the batteries have leaked, remove any battery fluid from the inside of the battery supply unit by wiping it out thoroughly and insert new batteries.

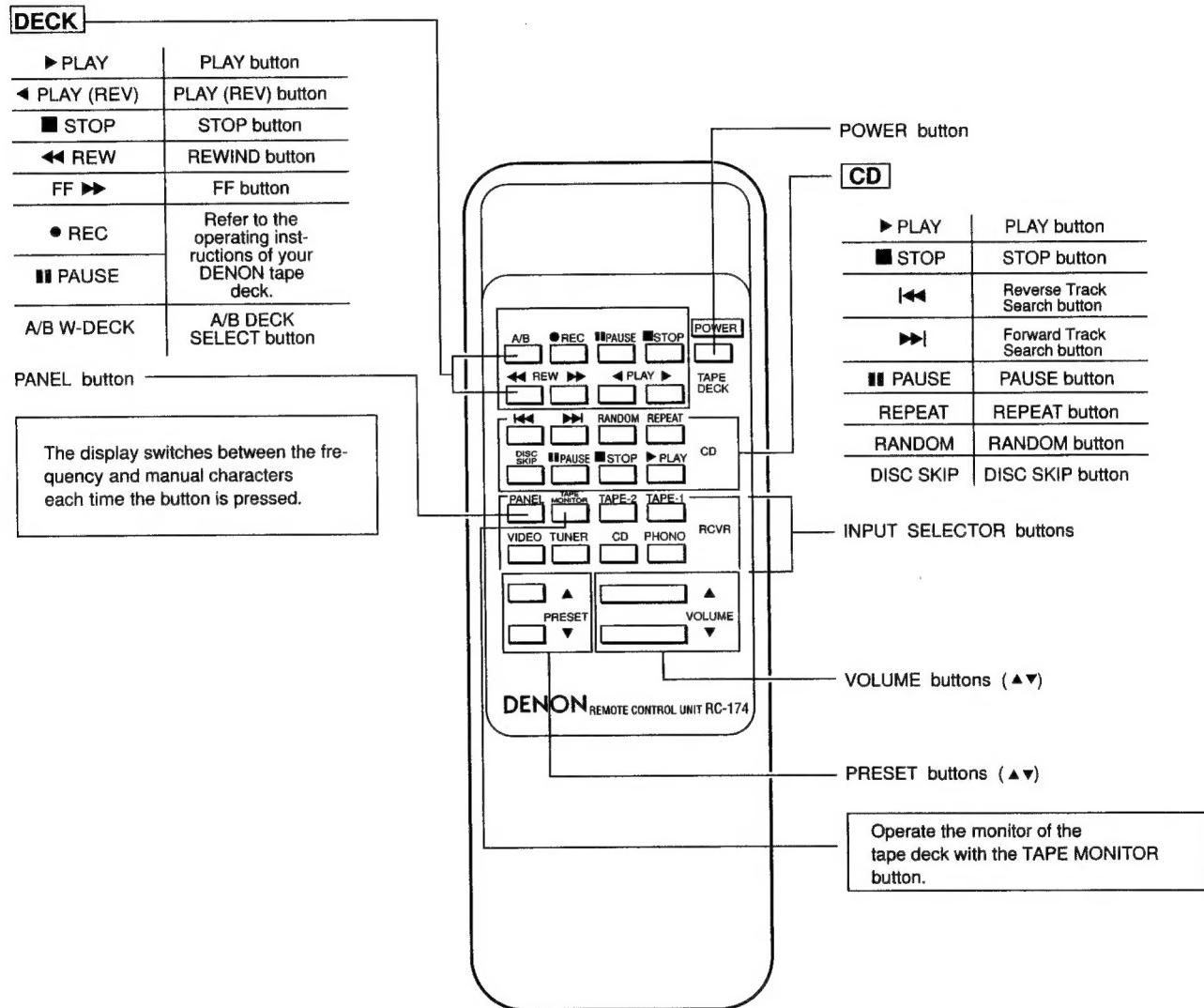
Besides being able to operate the DRA-265R receiver with this remote control unit, you can also operate a DENON cassette deck and CD player from this handy full-system remote control unit.

Remote Control Section

Full-system Remote Control Unit

The full-system remote control unit operates all major functions of the receiver such as function switching, volume control, and preset station selection. But that's not all! The same control pad can also control the major functions of a DENON CD player and cassette deck to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects.

Remote Control Unit RC-174 supplied with DRA-265R



- The RC-174 Remote Control Unit can control CD players and cassette decks made by DENON.
- Note the operation may not be possible for some models.
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are RECEIVER; CD and DECK.

For details on operating other components, refer to the instruction manuals for the CD player and/or cassette deck.

CAUTION:

- If the power is turned off with the remote control unit, the receiver is switched to the power stand-by state. If you are to be absent for a long period of time, be sure to turn the power off using the POWER switch on the receiver.
- A part of 1st digit of fluorescent display light while the receiver is in the power stand-by state.
- You may experience erratic operation of the remote control unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the remote control sensor on the receiver. However, this is not a malfunction, and if this should happen, protect the sensor against such light.

TROUBLESHOOTING

1. Have all connections been made PROPERLY?
2. Have you followed all operational instructions correctly?
3. Check speaker and the turntable systems for proper operation.

When your unit does not seem to be operating correctly, first check the items in the following table. If the symptom does not correspond to any of the problems as shown below, turn off the power sources immediately and contact your DENON dealer.

Problem	Cause	Remedy
FM AND AM RECEPTION		
Radio program can not be received.	<ul style="list-style-type: none"> • Antenna connection is wrong. • A signal strength is weak. 	<ul style="list-style-type: none"> • Check the connection. • Check the antenna installation.
Noise is reproduced.	<ul style="list-style-type: none"> • A signal strength is weak. • Automobile ignition noise interferes with reception. • Other electrical equipment interferes with reception. 	<ul style="list-style-type: none"> • Install an outdoor antenna. • Keep the antenna away from the street. • Keep the equipment away from this set, or turn off the power of the other equipment.
The preset frequencies are erased.	<ul style="list-style-type: none"> • The memory back-up term (about 1 month) passed. 	<ul style="list-style-type: none"> • Preset again.
In automatic tuning, the frequency doesn't stop at the radio station.	<ul style="list-style-type: none"> • A signal strength is weak. 	<ul style="list-style-type: none"> • Use manual tuning.
In automatic tuning, it stops at the one step lower or higher frequency than the radio station.	<ul style="list-style-type: none"> • Noise or strong signal strength is received. 	<ul style="list-style-type: none"> • Use manual tuning for optimum reception.
PLAYBACK OF THE AUDIO EQUIPMENTS		
No sound is produced with power on.	<ul style="list-style-type: none"> • Input and speaker cords connection are wrong. • Speaker switch is off. • The INPUT SELECTOR buttons are in wrong position. • The protective circuit is operating. • The fuse has blown out. 	<ul style="list-style-type: none"> • Check the connection. • Turn on speaker switch. • Check these position. • Turn the power off once, check the connections to the speakers, then turn the power on again. • Ask your dealer, or the nearest DENON representative.
Audible hum when playing records.	<ul style="list-style-type: none"> • The input and grounding cords connection of the turntable are wrong. • The cords connection of the cartridge are wrong. • The interference from the nearby TV or radio transmission antenna 	<ul style="list-style-type: none"> • Check the connection. • Check the connection. • Ask your dealer, or the nearest DENON representative.
Howling is produced when the volume control is turned up too high while playing records.	<ul style="list-style-type: none"> • The vibrations and sounds transmit from the speakers to the turntable. 	<ul style="list-style-type: none"> • Insulate the vibrations, or keep the speakers away from the turntable.
Cracking noise is produced when playing records.	<ul style="list-style-type: none"> • The record is stained with dust. • The stylus tip of the cartridge is stained with the dust. • The cartridge is defective. 	<ul style="list-style-type: none"> • Clean the record. • Clean the stylus tip. • Try the other cartridge.

SPECIFICATIONS

AMPLIFIER SECTION

Continuous Power Output (DIN):	55 W + 55 W (4 ohms, 1 kHz)			
Power Bandwidth (IHF):	10 Hz ~ 40 kHz (T.H.D. 0.15% both channels driven into 8 ohms)			
Total Harmonic Distortion:	0.03% (-3 dB at rated output, 8 ohms)			
Frequency Response:	PHONO RIAA Standard Curve (Recording Output) MM 20 Hz ~ 20 kHz ± 0.5 dB CD, VIDEO, 20 Hz ~ 50 kHz ± 1.5 dB TAPE (at 1 W)			
Input Sensitivity and Impedance:	PHONO	MM	2.5 mV	47 kohms
	CD, VIDEO,		150 mV	25 kohms
	TAPE			
Maximum Input Level: (at 1 kHz)	PHONO MM 120 mV			
Signal to Noise Ratio (IHF-A):	PHONO MM 78 dB (at 5.0 mV input) CD, VIDEO, TAPE 95 dB			
Tone Controls:	BASS		± 10 dB at 100 Hz	
	TREBLE		± 10 dB at 10 kHz	
Loudness:	50 Hz/10 kHz, + 10 dB/+6 dB			

TUNER SECTION

[FM] (note: μV at 75 ohms, 0 dBf = $1 \times 10^{-15} \text{ W}$)			
Receiving Range:	87.5 ~ 108 MHz		
Usable Sensitivity:	0.9 μV (10.3 dBf)		
Signal to Noise Ratio (IHF-A):	MONO	STEREO	82 dB 78 dB
Image Rejection:	65 dB		
Selectivity (± 300 kHz):	55 dB		
Frequency Response:	30 Hz ~ 15 kHz +0.2 dB -1.5 dB		
Stereo Separation (at 1 kHz):	40 dB		
[AM]	Receiving Range: 522 ~ 1611 kHz		
General			
Power Supply:	AC 230 V 50 Hz		
Power Consumption:	104 W		
Power Outlet:	SWITCHED 100 W		
Dimensions:	434 mm (W) x 119 mm (H) x 306 mm (D)		
Weight:	5.7 kg		
REMOTE CONTROL UNIT			
Remote control system:	RC-174 Infrared pulse system		
Power supply:	3V DC Two size "AA" (R6) dry cell batteries		
External dimensions:	60 mm (W) x 175 mm (H) x 18 mm (D)		
Weight:	120 g (includes batteries)		

Design and specifications are subject to change without prior notice.